



### **ADVANCES IN FINE WATERJET TECHNOLOGY**

**As specialists, STM and Maximator JET already have 10 years experience in fine waterjet technology, as impressively demonstrated by the JETMax H0705 systems.**

**Bischofshofen, Austria. Micro-waterjet cutting technology is the shooting star of the miniaturised components industry. As a cold-cutting process it can cut filigrees and highly functional workpieces from a wide range of materials, where use of alternative cutting processes would result in distortion or melting. This includes ceramics, glass, plastics, non-ferrous metals, electronic components or composites, which are primarily machined to create extremely small parts for use in the mechanical engineering, electronics, automotive, chemical, jewellery, watch making and food industries as well as in medical technology. There are still only a very few mature proven systems available on the market which can meet the challenges of this technically supreme discipline. In contrast to many new providers, the German waterjet specialists Maximator JET have been developing fine waterjet cutting systems since 2001 and currently have a wide range of high-performance compact systems available which, thanks to their modular configuration, can be perfectly matched to highly specialised cutting tasks and can cut workpieces ten times as accurately as traditional waterjet cutting systems. They are available with prices starting at € 135,000 and can be delivered ready for use within 16 weeks complete with all the necessary accessories.**

The special systems of the JETMax H0705 series cut nearly all materials with a positional accuracy of 0.0025 mm and tolerances as fine as +/- 0.01 mm. The maximum workpiece size is 700mm x 500 mm (upon request up to 1000 mm) and surface finishes up to RA values of 0.8 µm can be handled. The abrasive fraction can be continuously adjusted to match every surface and cutting task. Cutting sequence, start and end points can be chosen almost without limitation. The small diameter of the tool results in high cutting and cut-edge quality which contribute to sharp-edged contours and, thanks to the jet diameter of <0.3 mm, the achievement of very high material efficiency. Process forces and thermal loading are minimised, the creation of toxic gases is completely avoided. The JETMax H0705 system is characterised by notable repeat accuracy, even with very small overall dimensions, and by high ease of use. This is in no small way due to the intelligent CAD/CAM software plus the special protection devices for reducing dirt and noise.



## PRESSEINFORMATION

Should you be interested, you can check-out the performance of the Maximator JET fine waterjet cutting systems, without obligation, by way of a test cut or, at any time, in the machining centre of Maximator JET in Schweinfurt. Upon request, you can also be provided (free of charge) with a tailor-made system solution, including a cost-benefit analysis, so that you can assess the suitability of a JETMax compact system against your requirements.

STM ist ein führender Anbieter von Wasserstrahlschneidesystemen mit Sitz in Bischofshofen Österreich. Seit über 20 Jahren entwickelt das Traditionsunternehmen zukunftsfähige Produktionslösungen vor allem für die Stahl-, Aluminium-, Metall-, Kunststoff-, Stein- und Glasindustrie, die sich vor allem durch Effizienz, Bedienungskomfort und Verschleißfestigkeit auszeichnen. Neben zukunftsweisender Technologie und serienmäßiger Qualität legt STM besonderen Wert auf innovativen Fullservice. Damit gewährleistet der Markenhersteller, dass die individuellen Fertigungsprozesse seiner Klientel kontinuierlich den aktuellen Anforderungen angepasst werden. In Entwicklung und Vertrieb arbeitet STM mit dem Schweinfurter Unternehmen Maximator JET GmbH in Deutschland zusammen. Maximator JET setzt wegen Zuverlässigkeit und Qualität auf STM Anlagen.

### Weitere Informationen:

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